

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

PAS

921 11

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
CA	BPED -920511MC N/M	NEW 88.9MHZ	LIVING WAY MINISTRIES LANCASTER CA	CP FOR NEW FM EDUCATIONAL ON: FREQ: 88.9 MHZ.; ERP: 5.5 KW (H&V); HAAT: 21 METERS (H&V); 34 40 31 118 08 05

LICENSE EXPIRATION DATE

20. 5-19-92

Patricia Scott

CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT() CONSTRUCTION DATES, START _____ END _____
 CONTESTED () UNCONTESTED ()

APPROVED _____

 FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filing form) Return only form to FCC

Section 1 - GENERAL INFORMATION

1. Name of Applicant Living Way Ministries		
Street Address or P.O. Box 14480 Sherman Way		
City Van Nuys,	State CA	ZIP Code 91405
Telephone No. (Include Area Code) (818)383-8150		

Send notices and communications to the following person at the address below:		
Name Gary C. Curtis, Executive Director/Vice President		
Street Address or P.O. Box 14480 Sherman Way		
City Van Nuys	State CA	ZIP Code 91405
Telephone No. (Include Area Code) (818)373-8155		

2 This application is for:

☐

AM

☒

FM

☐

TV

(a) Channel No. or Frequency Ch. 205 88.9 Mhz
--

(b) Principal Community	City Lancaster	State CA
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(c) Check one of the following boxes:

☒

Application for **NEW** station

☐

MAJOR change in licensed facilities; call sign: _____

☐

MINOR change in licensed facilities; call sign: _____

☐

MAJOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐

MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐

AMENDMENT to pending application; application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section 1 and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

☐

Yes

☒

No

If Yes, state:	Call letters	Community of License	
		City	State

Section II - LEGAL QUALIFICATIONS

Name of Applicant

Living Way Ministries

1. Applicant is: *(check one box below)*

- ☐ (a) governmental or public educational agency, board or institution
- ☐ (b) private nonprofit educational institution
- ☒ (c) Other *(specify)*

2. For applicants 1(c) only, describe in an Exhibit the nature and educational purposes of the applicant.

Exhibit No.
1

3. For applicants 1(c) applying for a new noncommercial educational television station only, describe in an Exhibit how the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural and civic segments of the principal community to be served.

Exhibit No.
N/A

4. Describe in an Exhibit how the proposed station will be used, in accordance with 47 C.F.R. Section 73.503 or Section 73.621, for the advancement of an educational program.

Exhibit No.
2

5. Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended?

☐ Yes ☒ No

If Yes, provide particulars in an Exhibit.

Exhibit No.

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

6. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction B to Section II.)

☐ Yes ☒ No

(b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.
N/A

7. (a) Has an adverse finding been made or an adverse final action taken by any court or administrative body as to the applicant or any party to this application in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.
N/A

PARTIES TO APPLICATION

B. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificate or other ownership interest, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		YES	NO	
		(c)		
(a)	(b)			(d)
Jack W. Hayford 11941 Susan Dr. Granada Hills, CA 91344	Pres. & C.E.O.	X		N/A
Gary C. Curtis 14836 Lashburn St. Sylmar, CA 91342	Exec. Dir. & V.P.	X		N/A
Max Lile 7331 Raymer St. Northridge, CA 91325	Treas.	X		N/A
John B. Farmer 14159 Cohasset St. Van Nuys, CA 91405	Secretary	X		N/A
Jon Cook 9323 Hanna Ave. Chatsworth, CA 91311	Member	X		N/A
Norm Dingilian 14212 Wyandotte St. Van Nuys, CA 91405	Member	X		N/A
Dean Jones 5055 Casa Dr. Tarzana, CA 91356	Member	X		N/A
Don McKenzie 21648 Mulholland Dr. Woodland Hills, CA 91364	Member	X		N/A
see attached for complete list of board (attach. #4)				

Section II - LEGAL QUALIFICATIONS (Page 3)

9. Does the applicant or any party to this application have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission?

☐ Yes ☒ No

(b) a broadcast application which has been dismissed with prejudice by the Commission?

☐ Yes ☒ No

(c) a broadcast application which has been denied by the Commission?

☐ Yes ☒ No

(d) a broadcast station, the license of which has been revoked?

☐ Yes ☒ No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

☐ Yes ☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.
N/A

- (1) Name of party having interest;
- (2) Nature of interest or connection, giving dates;
- (3) Call letters of stations or file number of application or docket; and
- (4) Location.

SECTION III - FINANCIAL QUALIFICATIONS

Note: If this application is for a change in an operating facility, DO NOT fill out this Section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? ☐ Yes ☒ No
2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? ☐ Yes ☒ No

NOTE: If either Questions 1 or 2 is answered "Yes," your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on your part is required. If you rely on funds from a source specified in Question 2, **you must advise the F.C.C. when the funds are committed or appropriated.** This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without additional funds. ☒ Yes ☐ No

SECTION IV - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No.
3

NOTE: No program service statement need be filed where the proposed station's programming would be **wholly** "instructional" as that type of programming is defined in the Instructions to this Section.

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☒ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII - CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)


The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.**

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant Gary C. Curtis	Title Executive Director/Vice Pres.
Signature 	Date May 8, 1992

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 76 to 80 hours with an average of 78 hours 04 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552(a)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

DESCRIBE THE NATURE AND EDUCATIONAL PURPOSES OF THE APPLICANT:

Living Way Ministries is a California non-profit religious corporation and is recognized by the I.R.S. as a 501 (c)3 organization, authorized to issue tax deductible receipts to its donors.

It serves as the media outreach of The Church On the Way, the First Foursquare Church of Van Nuys, California. As such it presents to the larger Christian community the teaching ministry of it's pastor, Dr. Jack W. Hayford, who is a noted and respected author, teacher and composer. Dr. Hayford serves as the President and Chairman of the Board of Directors of Living Way Ministries.

Living Way Ministries produces and distributes instructive and inspirational literature and audio/video tapes. Teachings are aired in all fifty states, as well as in six foreign countries on radio and television. These educational and inspirational programs would likewise be featured on the new station herewith being applied for in Lancaster, California.

Dr. Hayford's ongoing "Citywide Bible Study" series will be aired regularly. In addition, special classes and seminars will be featured from The King's Institute (TKI), located on the campus of The Church On The Way in Van Nuys, California. TKI is an interdenominational religious training center which has an exempt status within the provisions of the California Educational Code. Such studies will benefit the larger religious community in the broadcast region.

Living Way Ministries is a member in good standing of the National Religious Broadcasters (NRB) and their Ethics and Financial Integrity Commission (EFICOM). Dr. Hayford is a member of NRB's Board of Directors as well as the Senior Editorial Advisor for "Ministries Today" magazine, one of the largest and most respected interdenominational magazines for Christian ministers in this country.

FCC-340
LIVING WAY MINISTRIES

EXHIBIT 2

HOW WILL THE STATION BE USED IN ACCORDANCE WITH 47 C.F.R. SEC. 73.503
or 73.621?

The station will regularly transmit educational, cultural, and
entertainment programs to the public in the broadcast region.

The advancement of an educational program will include the ongoing
broadcast of the "Citywide Bible Study" series as taught by our
president, Dr. Jack Hayford. In addition, special classes and seminars
will be featured from The King's Institute (TKI), located on the campus
of The Church On The Way in Van Nuys, California. TKI is an
interdenominational religious training center which has an exempt
status within the provisions of the California Educational Code.

In addition, other teaching programs will be scheduled to compliment
and expand the educational purposes and practices mentioned above.
Such studies will benefit the larger religious community in the
broadcast region.

FCC-340
LIVING WAY MINISTRIES

EXHIBIT 3

DESCRIBE PLANNED PROGRAMMING SERVICE RELATING TO ISSUES OF PUBLIC CONCERN FACING THE PROPOSED SERVICE AREA.

Though the educational, cultural, and entertainment programming will be primarily religious in nature it can and will address issues of public concern in the broadcast service area.

Members of the religious community are active in all phases of public life. Interviews, talk-show programming, and local events are anticipated to be a part of the station's commitment to the community.

Topics of personal and public interest will be regularly addressed in the practical teachings of religious principles and practices.

LIVING WAY MINISTRIES
 14300 Sherman Way
 Van Nuys, California 91405
 (818) 373-8150

Board of Directors*

Jack W. Hayford,
 11941 Susan Drive
 Granada Hills, CA 91344

President & Board Chairman

Gary C. Curtis,
 14836 Lashburn St.
 Sylmar, CA 91342

Executive Director & Vice President

Max Lile,
 17331 Raymer St.
 Northridge, CA 91325

Treasurer

John B. Farmer
 14159 Cohasset St.
 Van Nuys, CA 91405

Secretary

Board Members

Jon Cook
 9323 Hanna Avenue
 Chatsworth, CA 91311

Tax Specialist

Norm Dingilian
 14212 Wyandotte Street
 Van Nuys, CA 91405

Retired from Lockheed

Dean Jones
 5055 Casa Drive
 Tarzana, CA 91356

Entertainer

Ray Lowe
 22409 Cantara Street
 West Hills, CA 91304

Loan Officer

Don McKenzie
 21648 Mulholland Dr.
 Woodland Hills, CA 91364

Retired from Rocketdyne

Dennis Newman
 20070 Hiawatha Street
 Chatsworth, CA 91311

Road Repair Preparation

John Radford
 17028 Flanders Street
 Granada Hills, CA 91344

Sales, Hospital Equipment

Glenn Shoemaker
 19902 Enadia Way
 Winnetka, CA 91306

"Haven of Rest"

John Zachman
 1635 Virden Drive
 Glendale, CA 91208

IBM

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____
 ASB Referral Date _____
 Referred by _____

Name of Applicant

Living Way Ministries

Call letters (if issued)

Is this application being filed in response to a window? ☐ Yes ☒ No

New

If Yes, specify closing date: N/A

Purpose of Application: (check appropriate box(es))

☒ Construct a new (main) facility

☐ Construct a new auxiliary facility

☐ Modify existing construction permit for main facility

☐ Modify existing construction permit for auxiliary facility

☐ Modify licensed main facility

☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height

☐ Effective radiated power

☐ Antenna height above average terrain

☐ Frequency

☐ Antenna location

☐ Class

☐ Main Studio location

☒ Other (Summarize briefly)

Coordination with Mexico requested, if necessary.

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
205	Lancaster	Los Angeles	CA

Class (check only one box below)

☒ A ☐ B1 ☐ B ☐ C3
☐ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

441 West Avenue K, Lancaster, Los Angeles Co., CA

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array.

Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	34°	40'	31"	Longitude	118°	08'	05"
----------	-----	-----	-----	-----------	------	-----	-----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)?

☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both.

N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	"	Longitude	0	"
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5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
N/ADate May 7, 1992 Office where filed Western-Pacific Regional Office

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>Antelope Valley Ser. (CL-40)</u>	<u>3.2</u>	<u>197</u>
(b) <u>Palmdale Flt1 Test (PMD)</u>	<u>6.9</u>	<u>137</u>
(c) <u>Sherrif's</u>	<u>7.5</u>	<u>68</u>

7. (a) Elevation: (to the nearest meter) * (Converted from feet to meters and rounded)

(1) of site above mean sea level; 738 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 61 meters(3) of the top of supporting structure above mean sea level: [(aX1) + (aX2)] 798* meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground 56 meters (H)56 meters (V)(2) above mean sea level [(aX1) + (bX1)] 794 meters (H)794 meters (V)(3) above average terrain 21 meters (H)21 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
Tech.

9. Effective Radiated Power:

(a) ERP in the horizontal plane

5.5 kw (H*) 5.5 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.
N/A kw (H*) kw (V*)

*Polarization

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.
N/A

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
N/A

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)

Exhibit No.
Tech.

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
Tech.

14. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
Tech.

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1,361 sq. km. Population 199,619

16. Attach as an Exhibit a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.
N/A

Enter the following from Exhibit above.

Gain Area _____ sq. mi.
Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data (*to be calculated in accordance with 47 C.F.R. Section 73.313*).

Source of terrain data: (*check only one box below*)

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC)

☐ Other (*briefly summarize*)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	91	26.6
45	84	25.6
90	54	21.0
135	20	15.4
180	-62	15.4
225	-139	15.4
270	53	20.8
315	65	22.8

Allocation Studies

(*See Subpart C of 47 C.F.R. Part 73*)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☒ Yes ☐ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.
Tech.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.
N/A

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.
Tech.

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference)*.

Exhibit No.
Tech.

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No N/A

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.
N/A

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
N/A

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☐ Yes ☒ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.
N/A

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.
N/A

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No

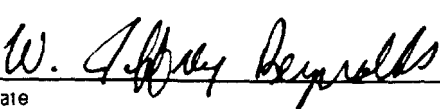
If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.
N/A

If No, explain briefly why not. Categorically excluded per 47 CFR 1.1306. See Technical Narrative.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
W. Jeffrey Reynolds	Technical Consultant
Signature	Address (Include ZIP Code)
	du Treil, Lundin & Rackley, Inc. 1019 19th Street, N.W., 3rd Floor Washington, D.C. 20036
Date	Telephone No. (Include Area Code)
May 7, 1992	(202) 223-6700

du Treil, Lundin & Rackley, Inc.

A Subsidiary of A. D. Ring, P. C.

TECHNICAL EXHIBIT
APPLICATION FOR
NCE-FM CONSTRUCTION PERMIT
LIVING WAY MINISTRIES
LANCASTER, CALIFORNIA

May 7, 1992

CH 205A 5.5 KW 21 M

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Technical Narrative

The technical exhibit of which this narrative is part was prepared on behalf of Living Way Ministries in support of an application for construction permit for a new non-commercial educational FM (NCE-FM) broadcast station to serve Lancaster, California. The proposed station will operate on channel 205A (88.9 MHz) with an effective radiated power of 5.5 kilowatts and an antenna height above average terrain of 21 meters (69 feet). The instant proposal is mutually exclusive with the Santa Monica Community College District proposal to serve Mojave, California on channel 204B (88.7 MHz), FCC File No. BPED-920305ME.

The proposal would not be subject to environmental processing in accordance with 47 CFR 1.1306. The Western Pacific Regional Office of the Federal Aviation Administration is being notified of the instant proposal. The instant application conforms with all applicable rules and regulations of the Federal Communications Commission.

Since the channel 205A proposal is within 320 kilometers of the U.S.-Mexican border, consideration must be given to that international FM agreement (dated November 9, 1972). Under the U.S./Mexican FM Agreement, Class A stations are permitted an effective radiated power of 3 kilowatts and antenna height above average terrain of 90 meters. The proposed effective radiated power of 5.5 kilowatts exceeds the maximum permitted under the Agreement for Class A stations. Therefore, the Commission is respectfully requested to notify this proposal to Mexico as an international Class B assignment for allocation purposes. This proposal meets the Class B separation standards to all known Mexican assignments.

Proposed Transmitter Location

It is proposed to employ a 3-bay nondirectional antenna mounted on 60.6 meter (199 foot) tower to be constructed at 441 West Avenue K in Lancaster, California. The geographic coordinates of the location have been scaled from the "Lancaster West, Calif." U.S.G.S. 7.5 minute topographic map based on information provided by applicant as follows:

34° 40' 31" North Latitude

118° 08' 05" West Longitude.

A map showing the proposed transmitter location is included herein as Figure 1. A sketch showing the proposed antenna and supporting structure is included herein as Figure 2.

Response to Paragraph 12

The "blanketing" contour of a 5.5-kilowatt FM station extends radially approximately 924 meters. The applicant recognizes its responsibility to remedy complaints of blanketing interference as required by 47 CFR 73.318.

Station KGMX(FM) on channel 292A (106.3 MHz) is located approximately 7.8 kilometers from the proposed site. There are no other known AM, FM or TV stations located within 10 kilometers of the proposed site. The applicant recognizes its responsibility to protect existing facilities in accordance with applicable rules.

Coverage and Interfering Contours

The predicted coverage and interfering contours depicted in this application were calculated in accordance with the provisions of 47 CFR 73.313 and 73.509. In accordance with current FCC practice, no consideration was given to terrain roughness correction factors.

The average terrain elevations from 3 to 16 kilometers were determined from the NGDC 30-second computer database. The standard eight radials evenly spaced at 45-degree intervals along with additional radials spaced at 5-degree intervals were used for determining the average elevations and the distances to coverage and interfering contours.

The antenna radiation center heights above average terrain in the individual radial directions and

the effective radiated power were used in conjunction with the F(50,50) and F(50,10) curves of 47 CFR 73.333 (Figures 1 and 1a) to determine distances to the coverage and interfering contours.

Allocation Study

Figure 4 is an allocation study for the proposed operation on channel 205A. The study utilized the minimum distance separation requirements of 47 CFR 73.207(b)(1). Those stations located beyond the minimum separations were not studied in detail. Only stations KXLU on channel 205A at Los Angeles and KPCC on channel 207B at Pasadena, both California, are located at less than the minimum separation. Therefore, an interference study was conducted with respect to these stations using the criterion of 47 CFR 73.509. Figure 5 is a map of the interference study. As illustrated, the proposed operation will not create prohibited contour overlap.

47 CFR 73.525 requires a NCE-FM station operating on channel 205 to provide interference protection to TV channel 6 facilities located within 225 kilometers of the proposed site. There are no TV channel 6 stations located within this distance.

Population and Area

The population to be served within the predicted 1 mV/m contour was determined by a computer program which adds the populations of census districts whose centroids lie within the contour. The 1990 Census was employed. The area within the 1 mV/m contour was mathematically

calculated by a computer program using a root mean square method of interpolation.

Environmental Considerations

The proposed facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The calculated power density at 2 meters above ground level at the base of the tower was calculated using equation (4) on Page 8 of the Bulletin. Using a "worst-case" vertical relative field value of 1.0, the total of the horizontally and vertically polarized power of 11 kilowatts and assuming all power is radiated from the bottom bay of the antenna, the calculated power density is 0.14 milliwatt per square centimeter (mW/cm^2), or 14 percent of the Commission's recommended limit of $1 \text{ mW}/\text{cm}^2$ for facilities operating in the frequency range from 30-300 MHz. Therefore, the proposed operation will not result in radiofrequency radiation exposure to the general public in excess of the Commission's standards.

Access to the transmitting site will be restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel are required to enter the restricted area or climb the tower, appropriate measures will be taken to ensure that the exposure to radiofrequency radiation will not exceed the ANSI guidelines. Such measures include reducing the average exposure by spreading out the work over a longer

period of time or scheduling work when the station is at reduced power or shut down.

It is concluded that the proposal is categorically excluded from environmental processing, as it meets the criteria for such an exclusion in 47 CFR 1.1306.


W. Jeffrey Reynolds

May 7, 1992